"Pharmacological Evaluation of Selected Medicinal Plants and Isolation of Active Compounds"

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RESEARCH PROPOSAL

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2. Aims & objectives.
3. Materials & method.
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1. INTRODUCTION

At the thousands of years ago, the medicinal plants or herbal plants been used for different therapeutic region. The modern system of treatment, differing in such as developed systems are allopathic ayurvedic& homeopathic treatment of the system. The Materia medichave developed, it has own details about different plants used for therapeutic purposes. As the old human civilizationCan be used medicinal plants which are available in Atharvaveda, that is the traditional Indian medicine called ayurvedic medicine (2000BCE).Mesopotamians(1700BCE) referred the use of clay tablets.

Other data have been collected that have medicinal usage of plants, which is also acts as pharmaceutical formulation stable, which is also acts as pharmaceutical formulation stable, which constitute various biological compounds, that compounds have various structures, that are finally used for therapeutically effective drugs.

Medicinal plants have also called as medicinal herbs,its have been discovered & used in traditional medicine practice since prehistoric times. The medicinal plants have to synthesize various biological constitutes or compounds which are fight against the illness or bacteria, insects & diseases.

The word herb has been specified from the Latin word “herb a”. Now a day’s herb refers to any part of the plant like fruit, seed, stem, bark, flower, leaf, stigma or root as well as non-woody plant. These medicinal plants are used for food, medicine & perfumes.

Plants have “active biochemical factories”. The medicinal value of the plants may contain some organic or chemical compounds that produce astable physiological action on the human body, these compounds are called phytochemicals, which can be used for therapeutic purposes.

Nature has been a source of medicinal plants for thousands of years ago & an enormous number of modern drugs have been extracted from natural source. The reasons for this aredifficult, but result or succeed from the ability of nature to produce a structurally complex molecule.

Plants defends on medicinal compounds or substituents can be extracted from any part of the plant like bark, leaves, flowers, roots, fruits & seeds.

Medicinal plants have a key role in human health about 80% of the world population relies on the use of traditional medicine, which are obviously based on plants because for the safety, efficacy & cost effectiveness.

The medicinal plants have different biological or chemical compounds, which are the main basic requirement for old & new pharmaceutical drugs or substances.

The different medicinal plants &their extracts have shown various medicinal characteristics like or namely areanti-inflammatory, anti-fungal, anti-oxidant, anti-cancer, anti-microbial etc.

In modern discovered scientific techniques are used for the determination of biological activity & the determination of the compounds of medicinal plants.

Proof for the useful effects of desired plants is generally based on the experiments demonstrating a biological activity in relevant bioassay or experiments using animal models.

The presence of techniques like TLC, HPLC &GC, which are used for the structure elucidation, which opened the way for synthesis & derivatization of the compounds with high efficacy & lower side -effects.

For the research needs in the field of medicinal plants are huge but it is balanced by the potential health benefits & huge size of the modern society, biological activity & clinical efficacy of huge amount of plants in common usage is required but now a days the medicinal plants are the important sources for pharmaceutical drugs or manufacturing.

USES OF MEDICINAL/ HEARBAL PLANTS

1. Herbs are namely sandal-wood, pepper, cinnamon, alove-vera, red-clove are used to heal wounds, sores & boils.
2. These are need for blood-purifiers to alter or change condition by eliminating the metabolic toxins. These are also known as “blood cleansers”. Certain herbs to improve the immunity power of human, there reducing the immunity power.
3. It is used as anti-biotic property. Turmeric is useful in inhibiting the growth of germs, harmful bacteria & microbes. Turmeric is also used as home remedy to heal cut & wounds.
4. To reduce fever &production of heat caused by condition, contain anti-pyretic herbs namely black-pepper, sandal-wood.
5. Sandal-wood is mainly used in stop the discharge of blood, mucus etc.
6. These are used to neutralize the acid produced by the stomach.
7. Indian sages were known to have remedies from plants which act against poisons from animals & snake-bites.
8. Aromatic herbs namely pepper, cloves & turmeric add a pleasant aroma to the food, there is increase the taste of food.
9. Herbs like turmeric, Sandal-wood &Alove-vera are commonly used as antiseptic & very high in medicinal value.
10. Ginger & cloves are used in certain cough syrups. They are known for their expectorant property, which promotes the thinning & ejection of mucus from the lungs, trachea &bronchi.
11. Coriander, Ajman, cardamom, fennel, cinnamon, are helpful in blood-circulation, therefore these are called cardiac- stimulant.

12. Some herbs have dis-infect ant property, which are destroy the disease-causing germs. They also inhibit the growth of pathogenic microbes that cause communicable diseases.
13. Certain herbs are used as stimulants to increase the activity of a system or an organ.
14. Barberry, Alove-vera , golden-seal are used as tonics.
15. Some herbs are act as sedatives.

ADVANTAGES OF MEDICINAL PLANTS

1. Rising costs of medicinal care.
2. Long history of use & better patient tolerance as well as public acceptance.
3. Renewable source
4. Cultivation & processing environmentally friendly.
5. From the origin, so free from side-effects in several cases.

2. AIM:

Pharmacological Evaluation of Selected Medicinal Plants and Isolation of Active Compounds.

OBJECTIVES

- To select some medicinal plants.
- To extract the medicinal plants.
- To identify the phytochemical tests of medicinal plants.
- To check the pharmacological/ biological evaluation of the medicinal plants.

3. MATERIALS AND METHOD

In our research, the plant material is used. First, I am selected some medicinal plants in our college surroundings of AkkaMahadevi university Vijayapura at the month of 1-12-2018 to 5-1-2019.

After the collected plant material, first we are wash theplant then it can be dried under shadow region.The plant material is fully dried, it can be powdered then it can be ready for extracting from respective solvents petroleum ether, Chloroform, Acetone &Ethanols by using Soxhlet apparatus .

In research we are used the experimental method.

4. EXPECTED OUTCOMES

The extract can be containing some active ingredients, that active ingredients can be checked by the phytochemical tests, finally the active ingredients are compared to evaluate some biological/ pharmacological activity or to determine the therapeutic use or pharmaceutical drug.

5. REFERENCES

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